

Work Order ID 68890

Monday, April 25, 2011 9:21:54 AM



Page 1

Item ID: D350-604-041

Accept



Setup Start



Revision ID:

Stop



Item Name: Rear Locker Extender

Start Date: 4/25/2011 Start Qty: 1.00



Cust Item ID:

Required Date: 5/20/2011 Req'd Qty: 1.00



Customer:

Reference:

Approvals:

Process Plan: MDate: 11-04-25 Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

D2273

D

D350-604-041

A

DSI9470

A

100

0.00



DC

DOCUMENT CONTROL

Memo

0.00

Document Control

Photocopy bluefile and create labels per PPP D350-604-041 CHG002

Smolzu9/6 BG 11-5-24

110

0.00



Purchasing

PURCHASING

Memo

0.00

Purchasing

Issue P/O: 13935
Description: D350-604-041 Rear locker extender.
Supplier: Delastek.
Certification of Conformity and process sheet from Delastek is required.

4 x 2600-6 Camlock stud - Ship to Delastek B 11 731411-04-25(1)

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 68890

Monday, April 25, 2011 9:21:54 AM

Page 2

Item ID: D350-604-041

Accept

Revision ID:

Item Name: Rear Locker Extender

Start Date: 4/25/2011 Start Qty: 1.00

Required Date: 5/20/2011 Req'd Qty: 1.00

Reference:

Cust Item ID:

Customer:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

120



Packaging

Packaging

Receive & Inspect for Damage & Mat'l Certs
Packaging

Memo

Ensure a copy of Certification of Conformity and process sheet from Delastek is attached.

0.00

0.00

P4/0/00 ①

130



QC

Quality Control

QC5- Inspect part completeness to step on W/O

Memo

Check hole locations to template. DT 8824 Check process sheet and audit.

0.00

0.00

86105124

ⓧ

140



Packaging

Packaging

Pick Kit

Memo

0.00

0.00

11/5/24 SP

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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NOTE: Date & initial all entries

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Monday, April 25, 2011 9:22:04 AM

Page 1

Work Order ID: 68890

Parent Item: D350-604-041

Parent Item Name: Rear Locker Extender





Start Date: 4/25/2011

Required Date: 5/20/2011

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:Q□03.12.01□Reformat□KJ/RF□

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
2600-6  Camlock Stud		Purchased	No			110	Each	77.0000	4	4			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST380		77							
				117016		16							
				117316		61							
D350-604-041P  Rear Locker Extender		Purchased	No			120	Each	0.0000	1	1			
D2268  Decal		Manufactured	No			140	Each	14.0000	1	1			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST010		14							
				67420		14							
D2269  Decal		Manufactured	No			140	Each	23.0000	1	1			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST010		23							
				64437		3							
				67421		20							

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

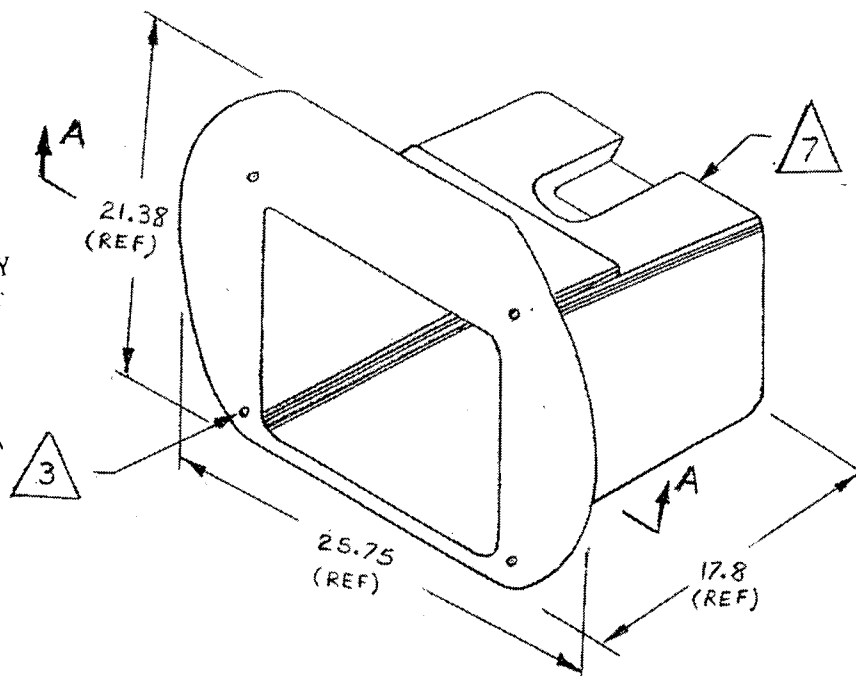
NOTE: Date & initial all entries

DART

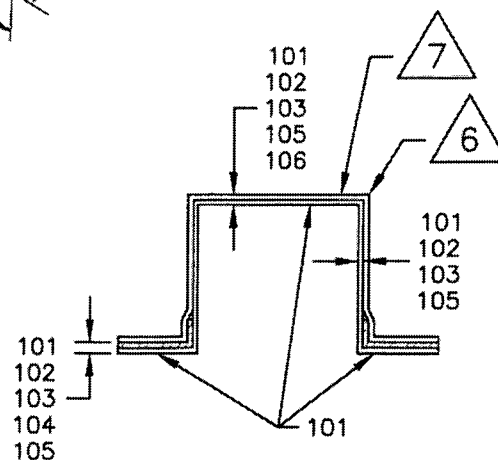
DESIGN	JB	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHECKED	<i>[Signature]</i>	APPROVED	DRAWING NO. D2273 REV. D SHEET 1 OF 1
DATE	02.04.01	TITLE	350 REAR LOCKER EXTENDER SCALE NTS
B	96.05.27	RE-DRAWN	
C	02.01.30	CLARIFY MATERIAL, LAYUP, AND TOOLING	
D	02.04.01	REMOVE EPOCAST, ADD SURFACE FINISH	

RELEASED
02.04.03 *[Signature]*

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. *68890*

PL 110425**NOTES:**

- 1) LAMINATE PER DART QSI 006. LAMINATION SCHEDULE PER THIS DRAWING.
- 2) LAYUP USING DT8010 MOLD. WET LAYUP NO BAG/VACUUM.
- 3) TRIM & DRILL PER DT8020. OPEN HOLES TO $\varnothing 0.257$ (4 PLACES).
- 4) MATERIALS:
RESIN: DERAKANE 470-36/411/510A40
FIBRE: 9oz = 9.7 oz 7781 WEAVE "S" GLASS
18oz = 18.0 oz ROVING "E" GLASS.
- 5) CONSTRUCTION:
101-WHITE GLOSS GELCOAT # GEL 944W005.
102-9oz ALL OVER.
103-18oz ALL OVER.
104-18oz RE-INFORCE FRONT FLANGE EXTENDING 2" ON SIDES.
105-9oz ALL OVER.
106-PEEL PLY.
- 6) MATTE TO HOLD DOWN CORNERS AS REQUIRED.
- 7) FINISH THIS SURFACE WITH DUPONT HIGHBUILD GREY PRIMER 1144-S.
- 8) ALL DIMENSIONS ARE IN INCHES.

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W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE		By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
DATE	STEP	Description of NC Section A	Corrective Action		Section B		Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng		Sign & Date			

NOTE: Date & initial all entries



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PO REPRINT

Purchase Order ID PO13935

Purchase Order Date 4/25/2011

PO Print Date 4/25/2011

Page Number 1 of 1

Order From :
DELASTEK INC
2699 5E AVENUE, LOCAL C.P 10100

VU-DEL003

GRAND-MERE, QC G9T 5K7
CA

Contact Name		Buyer	Brigitte Golden
Vendor Phone	819 533 5788	Requisition Nbr	
Vendor Fax	819 533 3494	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	USD
		FOB	Destination-Collect

Ship To : DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req. Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	D350-604-041P	Rear Locker Extender	5/13/2011 Yes	1.00 Each	FedEx Overnight	\$330.0000	\$330.00
		Special Inst:	As per DWG: D2273, Rev: D B68885				
2	D350-604-041P	Rear Locker Extender	5/20/2011 Yes	1.00 Each	FedEx Overnight	\$330.0000	\$330.00
		Special Inst:	Same as above B68890				
3	D350-604-041P	Rear Locker Extender	5/27/2011 Yes	1.00 Each	FedEx Overnight	\$330.0000	\$330.00
		Special Inst:	Same as above B68891				
4	D350-604-041P	Rear Locker Extender	6/3/2011 Yes	1.00 Each	FedEx Overnight	\$330.0000	\$330.00
		Special Inst:	Same as above B68892				

PO Instructions: FedEx acct# 151793240

4/25/2011



Delastek inc.
2699 5e avenue
Local 14, Porte -A-
Grand-Mère, Québec G9T 5K7
Can ** Fax (819) 533-3494 **

PACKING SLIP CERTIFICATE OF COMPLIANCE

Invoice #	38526
Customer #	DART US

Telephone: (819) 533-5788
Warehouse: MAIN

Bill to:

DART AEROSPACE LTD
1270, Aberdeen Street
Hawksbury, Ontario K6A 1K7
Canada

Ship to:

DART AEROSPACE LTD
1270, Aberdeen Street
Hawksbury, Ontario K6A 1K7
Canada

Telephone: 613-632-5200
Contact: Linda Lacelle

Ship via		F.O.B.		Terms		Salesperson	
FEDEX P1 Collect		Origin		Net 30 days USA		Claude Lessard, ext. 233	
Ship date	Order Date	Our PO #	Order by		Your PO #	GST/PST #	
19/05/2011	26/04/2011	17418	Brigitte Golden		13935		
Order Qty	B.O. Qty	Current Ship.	Item #	Item Description			
1	0	1	DKC134-0003	Line #1 Rear Locker Extender D350-604-041P B68890 U de M : Each Référence DKA362-0004 DWG: D350-604-041 REV. A1 D2273 REV. D <u>No. série</u> B68890 <u>No. lot</u> 32274			

It is hereby certified that all materials, process and finished items were controlled and tested in accordance with the requirements of the purchase order and applicable specifications. All such records are on file at our plant and available for review upon request.

☒ Cust. ☐ Adm. ☐ Quality ☐ Ship.

Accepted by:

Gran Haie
Quality department

AQ-357



Date: Lundi, 2011-03-21 07:45:27
Utilisateur: Pascal Carignan

Feuille de Procédé

Client : DART US DART AEROSPACE LTD	Nom Dessin : REAR LOCKER EXTENDER
Numéro Job : 32274	Numéro Article : DKC134-0003
Numéro Soumission : 3482	Numéro Dessin : D350-604-041 & D2273
Numéro B.A. :	Projet Numéro : DK-362
Cette fois : 2011-03-21 No. B.V. :	Révision dessin : A & D
Prsht Rev. : NC	Matériel : Derakane 470-36/411/510
Prem. fois : - - Type :	Date Dûe : 2011-03-28 Qté: 1 Udm: UNITE
Job précédente : 32273	
Écrit par : _____	
Vérifié & Approuvé par : _____	
Commentaires : N° de pièce Laminée Dart Aerospace: D2273	
: N° de pièce Assemblage Dart Aerospace: D350-604-041	

B 68890

Process Sheet Rév.: 02 Ajouter détails dans la seq. Identification.

Produit additionnel

Numéro Job:



Séq.: Machine ou Opération: Description :

1.0 PRÉPARATION Préparation du moule



Commentair Setup: 0.00Hrs/ Run: 15.0000Min Total Run : 0.2500Hrs

Faire la préparation du moule DKO-0250 selon IG 0009.

Date: _____ Sceau: _____

2.0 AMB0350 Gel Coat Blanc N° Gel 944W005

Commentair Qty.: 1.580 UNITE(s)/Unit Total: 1.580 UNITE(s)
Gel Coat Blanc N° Gel 944W005 N° de Lot: 1-30393-1

3.0 AMB0286 Catalyst N° DDM-9

Commentair Qty.: 0.0070 GALLON(s)/Unit Total: 0.0070 GALLON(s)
Catalyst N° DDM-9 N° de Lot: 1-27829-1

4.0 AC0747 Acetone

Commentair Qty.: 0.200 KILOGRAMME(s)/Unit Total: 0.200 KILOGRAMME(s)

5.0 PREP-GENERAL Préparation du matériel



Commentair Setup: 0.00Hrs/ Run: 45.0000Min Total Run : 0.7500Hrs

Tailler le matériel selon les dimensions requises à l'aide de gabarit de trimage prévus à cet effet.

Date: 30-3-11 Sceau: _____



Date: Lundi, 2011-03-21 07:45:27
Utilisateur: Pascal Carignan

Feuille de Procédé

Client: DART US DART AEROSPACE LTD
Numéro Job: 32274

Nom Dessin: REAR LOCKER EXTENDER
Numéro Article: DKC134-0003

Numéro Job:



# Séq.:	Machine ou Opération:	Description :
---------	-----------------------	---------------

6.0	PREP-GENERAL	Préparation du matériel
-----	--------------	-------------------------



Commentair Setup: 0.00Hrs/ Run: 30.0000Min Total Run : 0.5000Hrs

Faire la préparation du matériel selon IF134-0003 :

Dans une quantité de Gel Coat N° 944W005 ajouter 2% de Catalyst N° DDM-9 et diluer à l'aide de 10% d'acétone.

Date: 9/05/11 Sceau:



7.0	GEL COAT	Application du Gel Coat
-----	----------	-------------------------



Commentair Setup: 0.00Hrs/ Run: 20.0000Min Total Run : 0.3333Hrs

Appliquer le gel coat selon IF 134-0003(réf. IG0019).

Note: Le gel coat ne doit contenir aucun "airdry" ni aucune cire. Et le temp de séchage est important afin d'éviter d'avoir des défauts de surface, et afin d'éviter que le tissu ne vienne marquer au travers du Gel Coat ainsi que d'éviter d'avoir un rétrécissement.

Quantité: 1 Date: 9/05/11 Sceau:



8.0	AMB0212	Résine (411B7530) 411-350 promo. 75min.
-----	---------	---

Commentair Qty.: 1.680 LITRE(s)/Unit Total : 1.680 LITRE(s)

Résine (411B7530) 411-350 promo. 75min

N° de Lot:

1-30828-4

9.0	AMB0286	Catalyst N° DDM-9
-----	---------	-------------------

Commentair Qty.: 0.0070 GALLON(s)/Unit Total : 0.0070 GALLON(s)

Catalyst N° DDM-9

N° de Lot:

1-27829-1

10.0	AMB0214	9.7 oz Weave "S" glass #FG-778150-125Y Volan Finish
------	---------	---

Commentair Qty.: 4.6 VERGE(s)/Unit Total : 4.6 VERGE(s)

9.7 oz Weave "S" glass #FG-778150-125Y Volan Finish

N° de Lot:

1-30234-1

11.0	AMB0213	WR1850 Roving 18oz. x 50"
------	---------	---------------------------

Commentair Qty.: 1.140 KILOGRAMME(s)/Unit Total : 1.140 KILOGRAMME(s)

WR1850 Roving 18oz. x 50"

N° de Lot:

1-28778-1

12.0	LAMINAGE	Faire le laminage
------	----------	-------------------



Commentair Setup: 0.00Hrs/ Run: 3.5000Hrs Total Run : 3.5000Hrs

Selon IF 134-0003. S'assurer de ne pas trapper d'air entre les rangs.

Inscrire les informations suivantes:

Humidité: 22%

Température: 74°P

Heure: _____

Date: Lundi, 2011-03-21 07:45:27
Utilisateur: Pascal Carignan

Feuille de Procédé

Client: DART US DART AEROSPACE LTD
Numéro Job: 32274

Nom Dessin: REAR LOCKER EXTENDER
Numéro Article: DKC134-0003

Numéro Job:



Séq.: Machine ou Opération: Description :

Quantité: 1

Date: 10/05/11

Sceau:



13.0 AMB0212 Résine (411B7530) 411-350 promo. 75min.

Commentair Qty.: 0.150 LITRE(s)/Unit Total: 0.150 LITRE(s)

Résine (411B7530) 411-350 promo. 75min

N° de Lot: 1-30828-4

14.0 AMB0286 Catalyst N° DDM-9

Commentair Qty.: 0.0070 GALLON(s)/Unit Total: 0.0070 GALLON(s)

Catalyst N° DDM-9

N° de Lot: 1-27829-1

15.0 FINITION Finition Générale



Commentair Setup: 0.00Hrs/ Run: 30.0000Min Total Run : 0.5000Hrs

Injecter les bulles d'air selon IF134-0003 si applicable.

Quantité: 1

Date: 11-5-11

Sceau:



16.0 DÉMOULAGE Démoulage de la pièce



Commentair Setup: 0.00Hrs/ Run: 10.0000Min Total Run : 0.1667Hrs

Faire le démoulage de la pièce selon IF134-0003 en poussant de l'air à l'intérieur tout en faisant bien attention de ne pas l'endommager.

Quantité: 1

Date: 11-5-11

Sceau:



17.0 TRIMAGE Trimage



Commentair Setup: 0.00Hrs/ Run: 40.0000Min Total Run : 0.6667Hrs

Selon IF 134-0002.

Faire le sablage si nécessaire.

Quantité: 1

Date: 13-5-11

Sceau:



18.0 AAC1021 Dupont Primer N° 7704S

Commentair Qty.: 0.3400 UNITE(s)/Unit Total: 0.3400 UNITE(s)

Dupont Primer N° 7704S

N° de Lot: 1-28961-2

Date: Lundi, 2011-03-21 07:45:27
Utilisateur: Pascal Carignan

Feuille de Procédé

Client: DART US DART AEROSPACE LTD
Numéro Job: 32274

Nom Dessin: REAR LOCKER EXTENDER
Numéro Article: DKC134-0003

Numéro Job:



Séq.: Machine ou Opération: Description :

19.0 AAC1101 N° 7775S, Dupont Activator - Reducer Chromabase

Commentair Qty.: 0.0670 UNITE(s)/Unit Total : 0.0670 UNITE(s)

N° 7775S, Dupont Activator - Reducer Chromabase


N° de Lot: 1-29177-3

20.0 PRIMER Application primer



Commentair Setup: 0.00Hrs/ Run: 15.0000Min Total Run : 0.2500Hrs

Appliquer le primer selon IG 0008.

Quantité: 1 Date: 13 mai 11 Sceau:  fiche de Mélange: N/A

21.0 AAC1607 Camlock Stud 2600-4 (or Monadnock 1126000-4)

Commentair Qty.: 4 UNITE(s)/Unit Total : 4 UNITE(s)

Camlock Stud 2600-4 (or Monadnock 1126000-4)

N° de Lot: 1-30450-1

22.0 AAC0682 Washer 2600-LW (1127700)

Commentair Qty.: 4 UNITE(s)/Unit Total : 4 UNITE(s)

Washer 2600-LW (1127700)

N° de Lot: 1-6687-1

23.0 ASSEMBLAGE Assemblage mécanique



Commentair Setup: 0.00Hrs/ Run: 15.0000Min Total Run : 0.2500Hrs

Faire l'assemblage selon IF134-0004.

Démasker la pièce.

Assembler les "Studs" selon IG 0037.

Quantité: 1 Date: 17-5-11 Sceau: 

24.0 IDENTIFICATION Identification à encre indélébile




Commentair Setup: 0.00Hrs/ Run: 10.0000Min Total Run : 0.1667Hrs

Faire l'identification de la pièce selon IF134-0005.

de pièce Cleint: D350-604-041

N° de Job: 32274

N° de Fabrication: 17/05/2011

Quantité: 1 Date: 17/05/2011 Sceau: 

Date: Lundi, 2011-03-21 07:45:27

Utilisateur: Pascal Carignan

Feuille de Procédé

Client: DART US DART AEROSPACE LTD

Nom Dessin: REAR LOCKER EXTENDER

Numéro Job: 32274

Numéro Article: DKC134-0003

Numéro Job:



Séq.:

Machine ou Opération:

Description :

25.0

INSPEC FINAL

Inspection finale



Commentair Setup: 0.00Hrs/ Run: 10.0000Min Total Run : 0.1667Hrs

Faire l'inspection dimensionnelle et visuelle de la pièce selon le dessin.

Quantité: 1 Date: 17-05-11 Sceau:



26.0

EMBALLAGE

Emballage & Entreposage



Commentair Setup: 0.00Hrs/ Run: 10.0000Min Total Run : 0.1667Hrs

Faire l'emballage selon IG 0057.

Quantité: 1 Date: 17 Mai 11 Sceau:



fab 17 Mai 11
JOB 32274